

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

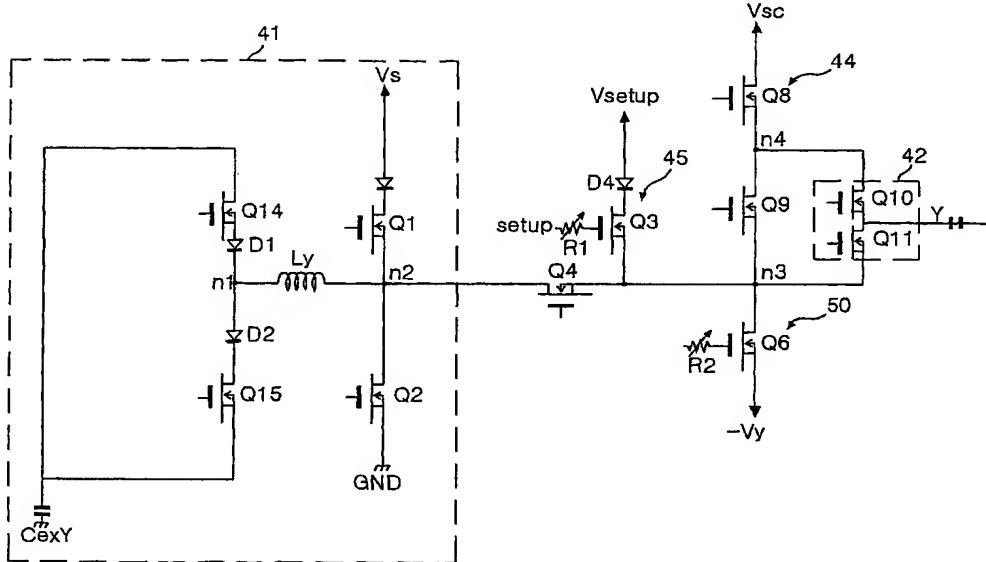
PCT

(10) International Publication Number
WO 2005/010856 A1

- (51) International Patent Classification⁷: **G09G 3/28**
- (21) International Application Number: **PCT/KR2004/001865**
- (22) International Filing Date: 23 July 2004 (23.07.2004)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data:
10-2003-0050890 24 July 2003 (24.07.2003) KR
- (71) Applicant (for all designated States except US): LG ELECTRONICS INC. [KR/KR]; 20, Yoido-dong, Youngdungpo-ku, Seoul 150-010 (KR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): YOON, Sang-Jin [KR/KR]; #103-1802, Woobang Sincheonji Town, 710, Namyul-ri, Seokjeok-myun, Chilgok-gun, Kyoungsang-buk-do 718-831 (KR).
- (74) Agent: KIM, Young-Ho; Kamryoung Bldg. 3rd Floor, 153-29, Samsung-dong, Kangnam-ku, Seoul 153-090 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: APPARATUS AND METHOD OF DRIVING PLASMA DISPLAY PANEL



WO 2005/010856 A1

(57) Abstract: An apparatus and method of driving a plasma display panel for preventing a brightness spot miss-fire and a miss-writing as well as reducing a manufacturing cost are disclosed. In the apparatus, a set-up supplier supplies a rising ramp waveform to scan electrodes in an initialization period, and supplies a positive enhancing pulse to the scan electrodes during an enhancing period following said initialization period. A negative voltage supplier supplies a falling ramp waveform to the scan electrodes in the initialization period, and supplies a negative enhancing pulse to the scan electrodes during the enhancing period.

WO 2005/010856 A1



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.